

Converting Colors

XYZ(21.7637, 31.9607, 42.9113)

Have a look what the booklet for
XYZ(21.7637, 31.9607, 42.9113)
contains.

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Color

**XYZ(21.8186, 32.0281,
43.0623)**

Conversions

Conversions Part 1

Format	Color
Hex	00ABAA
RGB	0, 171, 170
RGB Percent	0%, 67%, 67%
CMY	0.9999, 0.3294, 0.3333
CMYK	1.00, 0.00, 0.01, 0.33
HSL	180°, 100%, 34%
HSV	180°, 100%, 67%
XYZ	21.8186, 32.0281, 43.0623
YIQ	119.7570, -101.5950, -36.5630

Conversions

Conversions Part 2

Format	Color
RYB	0, 86, 171
Decimal	43946
CIELab	63.37, -35.95, -9.97
CIELCh	63, 37.303, 195.498
Yxy	32.0281, 0.2251, 0.3305
Android (android.graphics.Color)	4278234026 (0xFF00ABAA)
YUV	119.7570, 24.7698, -105.0269
Hunter-Lab	56.5934, -30.2208, -5.4988

Details

The XYZ color **21.8186, 32.0281, 43.0623** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.8011, 8.6611, 0.8158**, and the grayscale version is **17.7249, 18.6480, 20.3077**.

A 20% lighter version of the original color is **45.8836, 62.8612, 80.9493**, and **9.7484, 14.2649, 19.3791** is the 20% darker color. If you saturate the color by 10%, you get **21.8192, 32.0291, 43.0630**, and if you desaturate by 10%, it is **22.0622, 32.1533, 43.1239**.

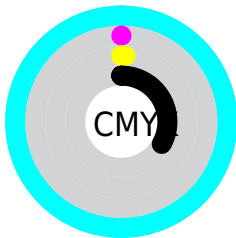
Distribution



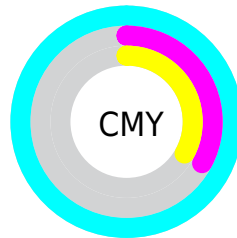
- Red (0%)
- Green (67%)
- Blue (67%)



- Red (0%)
- Yellow (34%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8186, 32.0281, 43.0623 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 21.8186, 32.0281, 43.0623 by changing the saturation by 10% instead.

■ 21.8186, 32.0281,
43.0623

■ 21.8186, 32.0281,
43.0623

■ 254.2477,
311.2472, 374.7967

■ 13.8395, 21.3830,
29.6022

■ 45.9271, 62.8551,
81.0922

■ 8.0901, 13.4042,
19.2874

■ 62.7872, 83.8058,
106.4992

■ 4.2049, 7.7075,
11.6992

■ 83.3384, 108.9605,
136.7255

■ 1.8187, 3.9083,
6.4192

■ 107.9460,
138.7035, 172.1897

■ 0.5289, 1.6224,
3.0287

■ 136.9754,
173.4193, 213.3104

■ 0.0000, 0.3726,
1.1093

■ 170.7919,

■ 0.0000, 0.0000,

213.4923, 260.5061

0.0000

209.7609,
259.3068, 314.1954

■ 21.8186, 32.0281,
43.0623

■ 21.8186, 32.0281,
43.0623

■ 21.8192, 32.0291,
43.0630

■ 22.0622, 32.1533,
43.1239

■ 22.5055, 32.3807,
43.1942

■ 23.2296, 32.7529,
43.2776

■ 24.2712, 33.2888,
43.3760

■ 25.6614, 34.0043,
43.4906

■ 27.4275, 34.9137,
43.6230

■ 29.5942, 36.0296,
43.7741

■ 32.1842, 37.3637,
43.9450

■ 35.2182, 38.9267,
44.1368

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.7827, 32.0281, 28.2078



21.8186, 32.0281, 43.0623



23.9816, 32.0281, 59.4253

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.8186, 32.0281, 43.0623



38.1109, 32.0281, 58.9266



33.0041, 32.0281, 13.9081

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.8186, 32.0281, 43.0623



16.8011, 8.6611, 0.8158

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



37.9689, 32.0281, 18.2307



21.8186, 32.0281, 43.0623



41.1363, 32.0281, 42.5135

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.8186, 32.0281, 43.0623



33.1809, 32.0281, 70.2075



41.0816, 32.0281, 27.7942



27.8576, 32.0281, 13.9778

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.8186, 32.0281, 43.0623



26.4958, 32.0281, 67.7942



41.0816, 32.0281, 27.7942



34.7613, 32.0281, 14.8269

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.8196, 32.0293, 43.0631



52.7683, 64.4057, 78.3789



14.5996, 29.1454, 4.8570



11.3971, 14.1719, 17.4533



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.8196, 32.0293, 43.0631



39.0728, 57.3594, 77.1053



10.8711, 9.9802, 39.8827



8.2343, 9.0713, 10.2588



16.4487, 24.1447, 32.4659



0.4582, 0.6719, 0.9065

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.8011, 8.6611, 0.8158



30.0854, 15.5088, 1.4451



19.8631, 14.7939, 1.8095



8.0071, 8.0161, 8.3482



12.6655, 6.5287, 0.6179



0.3529, 0.1819, 0.0204

Previews

White Background



This preview shows how the XYZ color 21.8186, 32.0281, 43.0623 looks on a white background.

Color Contrast Check

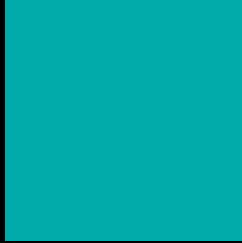
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.8186, 32.0281, 43.0623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

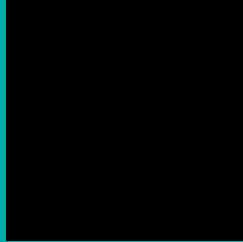
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8186, 32.0281, 43.0623

Background



This preview shows how black text looks on a background with the XYZ color 21.8186, 32.0281, 43.0623.

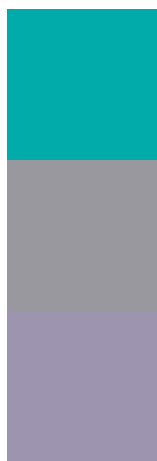


This preview shows how white text looks on a background with the XYZ color 21.8186, 32.0281,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.8186, 32.0281, 43.0623

Protanopia

30.5367, 31.6974, 36.8565

Deuteranopia

32.3899, 31.7581, 44.9802



Tritanopia

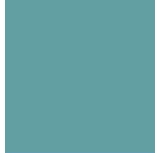
23.3309, 32.1019, 49.7664

Trichromacy



Original Color

21.8186, 32.0281, 43.0623



Protanomaly

23.8495, 29.9463, 38.7056



Deuteranomaly

24.8553, 29.8404, 43.9849



Tritanomaly

22.6991, 32.1125, 47.1214

Monochromacy



Original Color

21.8186, 32.0281, 43.0623



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.8006, 21.8367, 27.3742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8186, 32.0281, 43.0623 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 170)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.8186, 32.0281, 43.0623 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 171, 170) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(0, 171, 170) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 171, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8186, 32.0281, 43.0623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 170) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 171,  
170) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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